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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/820,964	03/30/2001	Lev Brouk	ODVFP009A	3907
22434 7590 12/27/2007 BEYER WEAVER LLP P.O. BOX 70250 OAKLAND, CA 94612-0250			EXAMINER LEE, PHILIP C	
			ART UNIT 2152	PAPER NUMBER
			MAIL DATE 12/27/2007	DELIVERY MODE PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

09/820,964

Applicant(s)

BROUK ET AL.

Examiner

Philip C. Lee

Art Unit

2152

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 10 October 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-8, 15 and 16 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-8, 15 and 16 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- ☐ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☒ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date 10/10/07.
- ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- ☐ Notice of Informal Patent Application
- ☐ Other: _____.

1. This action is responsive to the amendment and remarks filed on October 10, 2007.
2. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 9/10/07 has been entered.
3. Claims 1-8 and 15-16 are presented for examination and claims 9-14 are canceled.
4. The text of those sections of Title 35, U.S. code not included in this office action can be found in a prior office action.

Objection

5. Applicant claiming domestic benefit under 35 U.S.C. 119(e), 120, 121, or 365(c) should update the provisional application number in the first sentence of the specification. 37 CFR 1.78.

Claim Rejections – 35 USC 103

6. Claim 1-8 are rejected under 35 U.S.C. 103(a) as being unpatentable over Zombek et al, U.S. Patent 6,704,768 (hereinafter Zombek) and Shiozawa, U.S. Patent Application Publication 20010005358 (hereinafter Shiozawa) in view of Official Notice.

7. Zombek and Shiozawa were cited in the previous office action.

8. As per claim 1, Zombek taught the invention substantially as claimed for routing a message (col. 4, lines 36-39) between services in a message routing network, said message including a header (col. 22, lines 52-54) and one or more of a body (col. 48, lines 40-41) comprising:

associating an identifier with an entity that has been authenticated by said message routing network, wherein said identifier is to be associated with an entity account upon authentication of said entity with a first service that supports said entity account (col. 20, lines 35-51; col. 21, lines 32-53; col. 22, lines 23-29);
receiving, from a second service, a message including said identifier, said message being directed to a mapped service (e.g. MR) (col. 20, lines 47-52; col. 21, lines 6-13), wherein said mapped service is an entity account-specific representation of said first service (col. 21, lines 39-53) (i.e. MR represents the service type of the BES or server application) and acts as a proxy for said first service (i.e. MR acts as proxy between the BES network with BES executed application and the client network with client application) (fig. 1c; col. 22, lines 50-65);

authenticating said message routing network using said identifier included in said message (col. 21, lines 32-53); and when said message routing network is authenticated using said identifier (col. 21, lines 32-53; col. 22, lines 4-10; col. 24, lines 49-50) and translating, by said message routing network, said message for delivery to said first service (col. 32, lines 46-50; col. 32, line 66-col. 33, line 2), wherein said translated message includes said identifier (col. 20, lines 47-52) and is directed from said mapped service to said first service (col. 21, lines 32-53; col. 22, lines 22-29).

9. Zombek does not teach determine whether a route for a message needs to be modified. Shiozawa taught a mapped service is operable to determine whether a route for a message needs to be modified prior to delivering the message to a destination (page 5, paragraphs 73-76); and the mapped service determines that said route for the message does not need to be modified, the message is delivered to the destination (page 5, paragraphs 72 and 73).

10. It would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the teachings of Zombek and Shiozawa because Shiozawa's teaching of determining whether a route for a message needs to be modified would increase the reliability of Zombek's and Short's systems by allowing restoration of data transmission in case of fault occurrence without undesired reduction in efficiency on the use of network bandwidth (page 1, paragraphs 1 and 9).

11. Zombek and Shiozawa did not teach an attachment. "Official Notice" is taken for the concept of message with attachment is known and accepted in the art (e.g. email with attachment). It would have been obvious to one of ordinary skill in the art at the time the invention was made to include attachment because by doing so it would improve the efficiency of their systems by allowing a file to be sent with a message instead of individually sending the message and the file.

12. As per claim 2, Zombek and Shiozawa taught the invention substantially as claimed in claim 1 above. Zombek further taught wherein said identifier is a message routing network ID (col. 22, lines 26-29).

13. As per claim 3, Zombek and Shiozawa taught the invention substantially as claimed in claim 2 above. Zombek further taught wherein said identifier is a message routing network ID for said mapped service (col. 22, lines 26-29).

14. As per claim 4, Zombek and Shiozawa taught the invention substantially as claimed in claim 1 above. Zombek further taught comprising the step of associating said identifier with an entity account upon authentication of said entity with said first service (col. 14, lines 66-col. 15, lines 1).

15. As per claim 5, Zombek and Shiozawa taught the invention substantially as claimed in claim 1 above. Zombek further taught wherein said translating comprises adding an identifier of said entity account to said message (col. 15, lines 26-33).

16. As per claim 6, Zombek and Shiozawa taught the invention substantially as claimed in claim 1 above. Zombek further taught wherein upon receipt of said translated message, said first service associates said identifier with said entity account based on a mapping internal to said first service (col. 22, lines 26-29, 51-59).

17. As per claim 7, Zombek and Shiozawa taught the invention substantially as claimed in claim 1 above. Zombek further taught comprising receiving a second message from said first service, said second message being directed to said mapped service (col. 24, lines 49-56).

18. As per claim 8, Zombek and Shiozawa taught the invention substantially as claimed in claim 7 above. Zombek further taught comprising translating said second message for delivery to said second service (col. 32, lines 66-col. 33, lines 2).

19. Claim 15 is rejected under 35 U.S.C. 103(a) as being unpatentable over Giroux et al U.S. Patent Application Publication 2004/0243574 (hereinafter Giroux) in view of Zombek.

20. Giroux was cited in the last office action.

21. As per claim 15, Giroux taught the invention substantially as claimed comprising:

providing a proxy service ((e.g., ASP server, 160, fig. 3) for messages transferred between a first application service provider (110, fig. 3) and a second application service provider (120, fig. 3) in a message routing network (page 3, paragraph 53) (i.e., ASP server 160 providing a proxy service for transferring data from ASP server 110 to ASP server 120), said first application service provider and said second application service provider providing application services (page 1, paragraph 6)

22. Giroux did not specifically teach authentication. Zombek taught providing an identifier associated with an entity that has been authenticated by said message routing network, wherein said identifier is to be associated with an entity account upon authentication of said entity with said first application service (col. 20, lines 35-51; col. 21, lines 32-53; col. 22, lines 23-29); receiving, from said second application service, a message including said identifier, said message being directed to said proxy service (col. 20, lines 47-52; col. 21, lines 6-13), wherein said proxy service is an entity account-specific representation of said first application service (col. 21, lines 39-53) (i.e. MR represents the service type of the BES or server application); authenticating said message routing network using said identifier included in said message (col. 21, lines 32-52); and when said message routing network is authenticated using said identifier (col. 21, lines 32-52; col. 22, lines 4-10; col. 24, lines 49-50), translating, by said message routing network, said message for delivery to said first application service col. 32, lines 46-50; col. 32, line 66-col. 33, line 2), wherein said translated message includes said identifier (col. 20, lines 47-52) and is

directed from said proxy service to said first application service (col. 21, lines 32-53; col. 22, lines 22-29).

23. It would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the teachings of Giroux and Zombek because Zombek's teaching of authentication would increase the security of Giroux's system by preventing message from unauthorized user to access the system.

24. Claim 16 is rejected under 35 U.S.C. 103(a) as being unpatentable over Giroux in view of Zombek.

25. As per claim 16, Giroux and Zombek taught the invention substantially as claimed as in claim 15 above. Zombek further taught wherein said proxy service adds an account identifier to a message that is transmitted to said second application service provider (col. 15, lines 26-33).

26. It would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the teachings of Giroux and Zombek for the same reason as set forth in claim 15 above.

27. Applicant's arguments filed 09/10/07, have been fully considered but they are not persuasive.

28. In the remarks, applicant argued that:

- (1) Zombek fails to teach associating an identifier with an entity that has been authenticated by said message routing network, wherein said identifier is to be associated with an entity account upon authentication of said entity with a first service that supports said entity account
- (2) Zombek fails to teach authenticating said message routing network using said identifier included in said message; and when said message routing network is authenticated using said identifier..., translating, by said message routing network, said message for delivery to said first service.

29. In response to point (1), Zombek taught a customer identifier that is associated with a customer's account (i.e. entity account) upon authentication of the customer requesting the service type (i.e. first service) provided by a back-end server (BES) (col. 21, lines 39-53). Zombek further taught that the BES providing the service type (first service) uses the customer identifier to search for customer specific information (i.e. entity account) (col. 21, lines 39-53) (i.e. first service that supports said entity account).

30. In response to point (2), Zombek teaches MR (message router) determines that the sender (client or back end server (BES)) of a message is an authorized customer of the network (col. 21, lines 32-53). The authorization (i.e., authentication) process must require using identifier included in the message in order to determine the sender of the message. Furthermore, a sender of the message such as a client or BES is coupled to the network shown in figure 1A (i.e., part of

the network). This means authenticating the sender (i.e., client or BES) of the message is authenticating said message routing network. Zombek further teach if the device is an authorized client device, the message can be considered as authentic and can be forwarded to the proper BES (col. 21, lines 49-51). Similarly, the message can be forwarded to the client (col. 32, line 66-col. 33, line 2). Zombek teaches the message is unpacked from its intelligent messaging network format into an HTTP response and can be sent to the browser (col. 32, line 66-col. 33, line 2). This means the process of unpacking the message must require translating the message from its intelligent messaging network format into a format that can be process by the destination, which depends if the destination is the client or BES.

31. A shortened statutory period for reply to this Office action is set to expire THREE MONTHS from the mailing date of this action. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Philip C Lee whose telephone number is (571)272-3967. The examiner can normally be reached on 8 AM TO 5:30 PM Monday to Thursday and every other Friday. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bunjob Jaroenchonwanit can be reached on (571) 272-3913. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions

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on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

P.L.

A handwritten signature in black ink, appearing to read "Philip Lu". The signature is written in a cursive, flowing style with a large initial "P" and a long, sweeping underline.